**Algebra: Factoring Polynomials  
Second Year High School Students**

1. What is the common monomial factor of 3x^3 – 12x^2 – 9x?

a. 3  
 b. 12x  
 c. 9x  
 d. 3x

1. Factoring is the reverse process of multiplication.

TRUE  FALSE

1. Factoring a polynomial means writing it as a \_\_\_\_\_\_\_\_\_\_ of other  
   polynomials.
2. Both polynomial equations are correct, -4m + 8 = -4(m+2) and 2 – x = -(x-2).

TRUE  FALSE

1. Why do we need to know Common Monomial Factoring as knowledge for our lesson in factoring polynomials?